

**REMARKS**

This is in full and timely response to the non-final Official Action of November 15, 2005. Reexamination in light of the following remarks is respectfully requested. No new matter has been added.

Claims 1-4 are currently pending in this application, with claims 1 and 2 being independent.

**I. Priority**

It is noted with appreciation that the Office Action has acknowledged receipt of the claim for priority and the certified document supporting that claim.

**II. Information Disclosure Statement**

Applicant also thanks the Examiner for providing an initialed copy of the form PTOSB/08/a/b which was submitted on March 2, 2004.

**III. Rejection under 35 U.S.C. §103**

Claims 1-4 have been rejected under 35 U.S.C. §103(a) as unpatentable over Takagi et al. (U.S. Pre-grant Publication 2002/0704272) in view of Ooyama et al. (U.S. Patent No. 6,227,4983). Applicant respectfully traverses this rejection.

Independent claim 1 as amended is directed to a short arc type high pressure discharge lamp comprising: a pair of electrodes disposed inside the discharge lamp and facing each other, a light emitting portion containing more than  $0.15 \text{ mg/mm}^3$  mercury, and sealing portions that extend to both sides of the light emitting portion, seal part of electrodes respectively, and join the electrodes and metallic foils, wherein the metallic foil is formed in an approximately omega shape in a cross-sectional view thereof by press processing.

Support for the amendment is found at, for example, page 14, lines 12-13.

However, none of the applied art, alone or in combination, does not disclose, teach or suggest the metallic foil is formed in an approximately omega shape in a cross-sectional view thereof by press processing. Accordingly, withdrawal of this rejection and allowance of the claim is respectfully requested.

Independent claim 3 is directed to a method of welding an electrode and a metallic foil, comprising steps of: forming a metallic foil having a curved surface portion by press processing, wherein a cross-sectional view of the metallic foil is an approximately omega shape, placing the electrode in the curved surface, and welding from a width direction of the metallic foil.

However, none of the applied art, alone or in combination, does not disclose, teach or suggest the step of forming a metallic foil having a curved surface portion by press processing. Accordingly, withdrawal of this rejection and allowance of the claim is respectfully requested.

As to dependent claims 2, and 4, it is respectfully submitted that since they depend on claims 1 and 3 respectively, they are allowable for at least the reasons that claims 1 and 3 are allowable respectively and they are further allowable by reason of the additional limitations set forth therein.

#### **IV. Newly Added Claims**

By the foregoing amendment, Applicant has added claim 5 in order to claim various features of the invention. None of the applied art discloses, teaches or suggests that more than half of volume of one of the electrodes is fit in the metallic foil. Accordingly, allowance of the claim 5 is respectfully requested.

#### **V. Conclusion**

In view of the above amendment, applicant believes the pending application is in condition for allowance.

The undersigned has been given limited recognition by the Director to prosecute as an attorney this application under 37 C.F.R. §10.9(a).

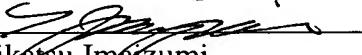
Application No. 10/790,099  
Amendment dated February 13, 2006  
Reply to Office Action of November 15, 2000

Docket No.: UDK-0017

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 18-0013, under Order No. UDK-0017 from which the undersigned is authorized to draw.

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Respectfully submitted,

By   
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